

DEPARTMENT OF THE ARMY  
U. S. Army Corps of Engineers  
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EM 200-1-4

CEMP-RT

Manual  
No. 200-1-4


31 January 1999

Environmental Quality  
RISK ASSESSMENT HANDBOOK  
VOLUME I: HUMAN HEALTH EVALUATION

- 1. Purpose.** The overall objective of this manual is to provide risk assessors with the recommended basic/minimum requirements for developing scopes of work, evaluating Architect-Engineer (A-E) prepared human health risk assessments, and documenting risk management options associated with Hazardous, Toxic, and Radioactive Waste (HTRW) investigations, studies, and designs consistent with principles of good science in defining the quality of risk assessments. This EM is intended for use by U.S. Army Corps of Engineers (USACE) Project Managers, technical personnel, and contractor personnel.
- 2. Applicability.** This EM applies to all HQUSACE elements and USACE commands responsible for HTRW projects.
- 3. References.** References are listed in Appendix A.
- 4. Distribution.** Approved for public release, distribution is unlimited.
- 5. Discussion.** This manual is intended to provide USACE risk assessors and contractor personnel with supplemental guidance for performance and evaluation of risk assessments under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments (HSWA) of 1984. It is not intended to replace the accepted guidance by the USEPA (e.g., *Risk Assessment Guidance for Superfund, Human Health Evaluation Manual*), but should be used in conjunction with that document. Additional information provided by this manual concerns presentation of the risk assessment results for use in risk management and decision-making, concerns focusing on the decisions, and criteria needed for decisions. Both risk and nonrisk factors are presented for consideration by the risk managers.

FOR THE COMMANDER:

2 Appendices  
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Chief of Staff

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This manual supersedes EM 200-1-4, Volume I, dated 30 June 1995.

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